



GTS-10020

GTS-11022

QPSK/COFDM transmodulators - FTA

The GTS-10020 and GTS-11022 transmodulators allow redistributing HD/SD services coming from satellite inputs over a multi-standard RF output.



GTS-10020

DVB-T or DVB-C output standard: selected by a software option.

Easy programming: GDS Configurator software connected to the USB port.

Remultiplexing: one output channel is available for the one input-model (GTS-10020); two frequency-adjacent output channels are associated to each input in the case of the two inputs-model (GTS-11022), with the possibility to remultiplex both inputs over a single output channel (software option).

NIT/TSID rewriting: it is possible to use original NIT and TSID service values or to assign custom values; this option is useful to distribute services from the same input transponder over two different output channels.

Parental control: specific services can be password-protected for age-limited access.

Hotel mode: LCN, PID, TSID and NIT values in the output channel can be fixed independently from the selected input services or input channel; this allows changing the distributed services with no need to tune again all TVs connected to the CATV distribution system.

Password protection and settings export: system configuration can be exported for backup and to replicate configuration on several modules; configuration access can be protected by a password.

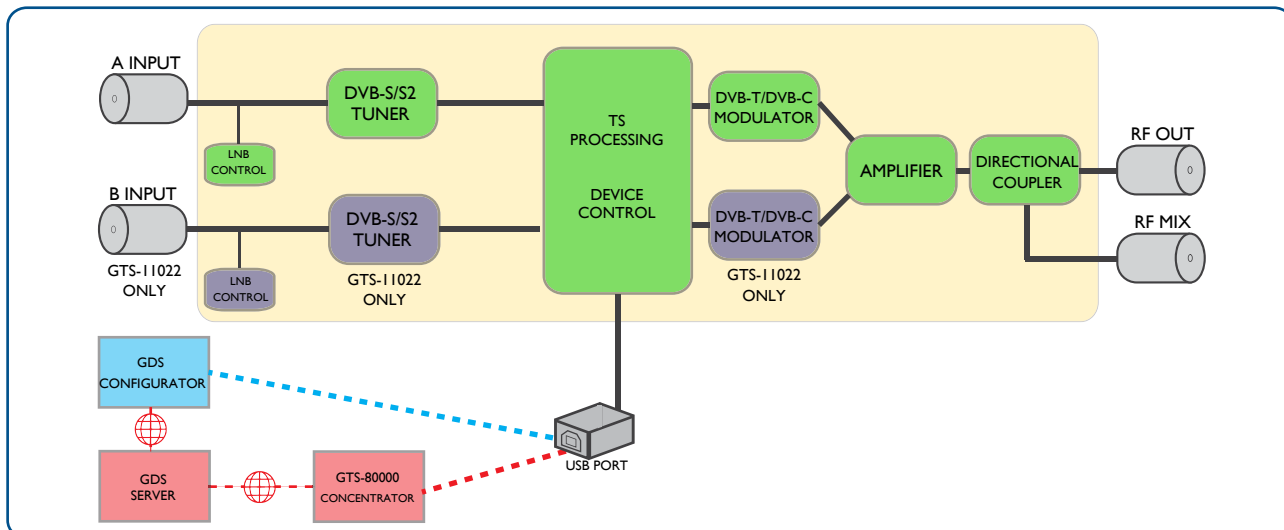
Remote access: monitoring, configuring and rebooting a GTS system can be accomplished through Internet network, using the special GTS-80000 device.

Performance: the GTS Series transmodulators boast 40+ dB MER.

Modular system: Thanks to DIN bar mounting, it is possible to combine different GTS modules to realize a fully custom CATV headend in an easy and cost-effective way.



GTS-11022



INPUTS	DVB-S/S2
Number of inputs	1 for GTS-10020 , 2 for GTS-11022
Common Interface (CI)	N/A
Input frequency	950÷2150 MHz
Input level	42÷82 dBuV
Symbol rate	1÷45 Ms/s
Modulation	QPSK / 8-PSK
Telet powering	0/13V/18V - 350 mA (short-circuit protection, 0/22 kHz tone or Diseqc 1.0)
MODULATOR SPECS	DVB-T
FFT	2k
Constellation	QPSK / 16-QAM / 64-QAM
FEC	1/2; 2/3; 3/4; 5/6; 7/8
Guardia	1/4; 1/8; 1/16; 1/32
MER	> 40 dB (typical: 42 dB)
MODULATOR SPECS	DVB-C
Mapping	16-QAM / 32-QAM/64-QAM/128-QAM/256-QAM
Roll-off	0.12 - 0.15 - 0.18
Symbol rate	870÷7200 ksym/s
OUTPUTS	DVB-T/DVB-C
Number of outputs	1 with loop-through (-1,5 dB loss)
Frequency range	177.5÷858 MHz
Number of channels	1 for GTS-10020 , 2 adjacent or 1 with remultiplexing for GTS-11022
Channel bandwidth	7 MHz (VHF) / 8 MHz (UHF)
Spectrum inversion	optional
Output level	65÷85 dBuV
OTHER SPECIFICATIONS	
Connections	RF I/O: female type-F; management: USB type-B
Power	24 Vdc
Power consumption	10 W + LNB for GTS-10020 , 12 W + LNB for GTS-11022
Operative range	0÷40 °C
Dimensions	53x226x155 mm

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GD Service srl
Registered office: Via Gretaglia snc - 55025 Ghivizzano (LU) - Italy

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